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TI Manufacture of plugging **cement**-barite-**fly ash** mortar for casing of wells
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PA Predpriyatie "Kuban'gazprom", Russia
SO Russ., No pp. given
CODEN: RUXXE7
DT Patent
LA Russian
IC ICM E21B033-138
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CC 58-3 (Cement, Concrete, and Related Building Materials)
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AB New plugging mortar is used for drilling oil and gas wells in formations with abnormally high pressures within temp. range of 60-140.degree.. Grouting mortar contains Portland **cement** 15.38-25.74, barite 22.06-46.15, power station fly ashes 15.38-25.74 wt.%, and **water** in the balance. Portland **cement** is first mixed with fly ashes and resulting mixt. is then introduced into vacuum hydraulic mixer simultaneously with 70-80 wt. % of barite based on its projected amt. and **water** fed under pressure. The obtained **slurry** is stirred and hydraulically activated in hydraulic mixer. After addn. of the rest of barite, hydraulic activation of soln. is repeated several times at pressure of 8-12 MPa. The resulting grout has increased heat resistance and strength of **cement** stone.
ST plugging **cement** mortar **fly ash** barite oil well
IT Mortar

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